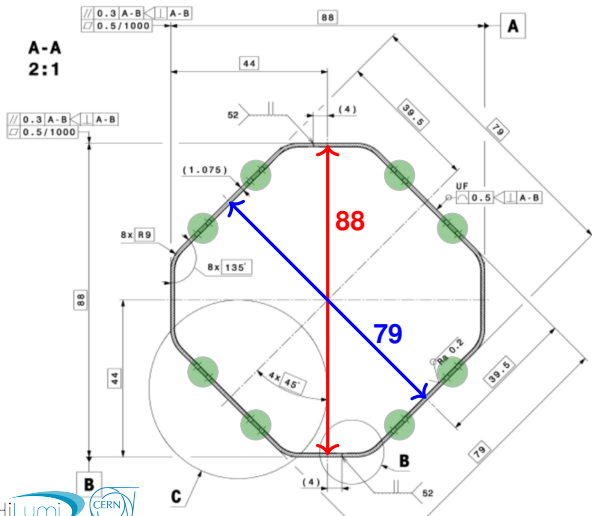




Request from TE-VSC

HiLumi D2 beam screen:

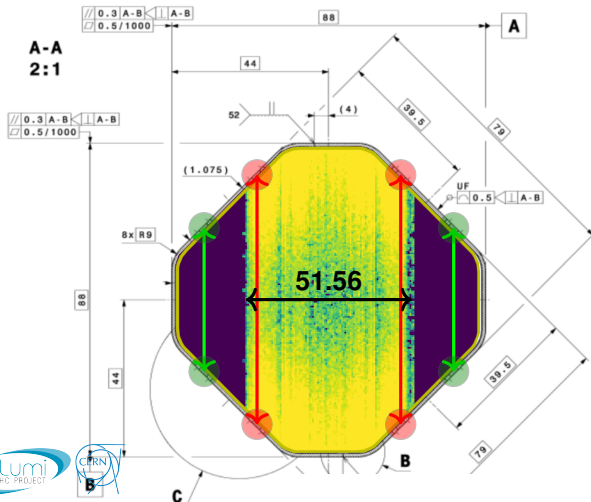


- octagonal beam screen $88\text{ mm} \times 79\text{ mm}$
- pumping slots 1.5 mm wide
- **electrons** might **escape** through the pumping slots **and** hit the **cold bore**

Where to place the pumping slots?

Where to place the pumping slots?

From e-cloud build-up simulations with 2.3×10^{11} p/bunch beam assuming SEY 1.3:



- pumping slots should be at least 26 mm away from the beam